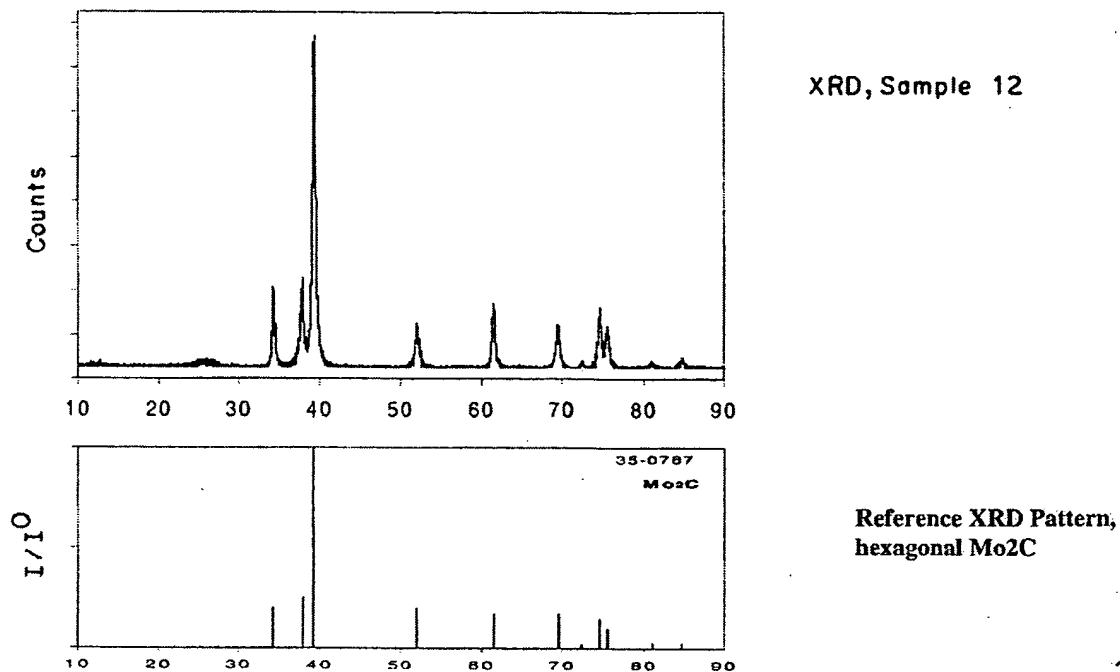


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FIG.1A XRD and SEM of CARBIDE NANORODS



SEM Micrographs. Sample 12

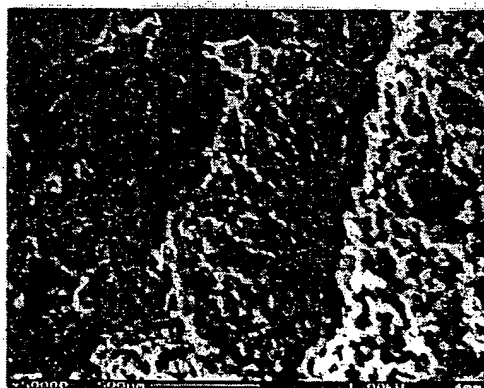


FIG.1B

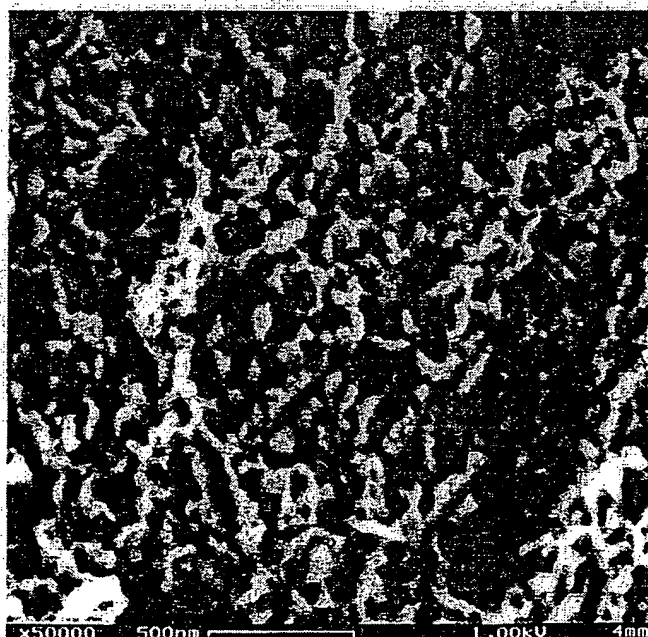
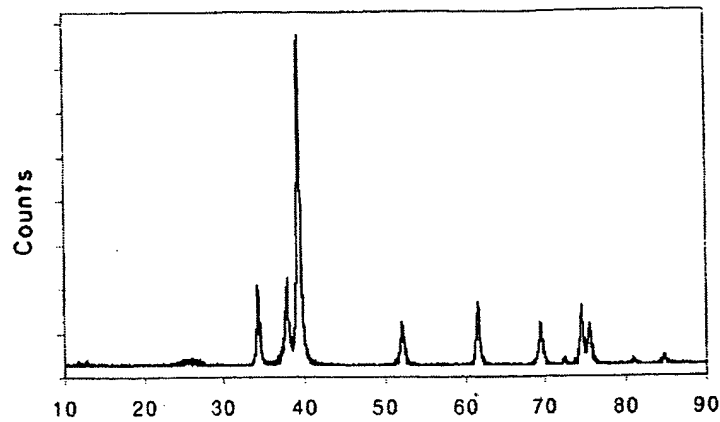


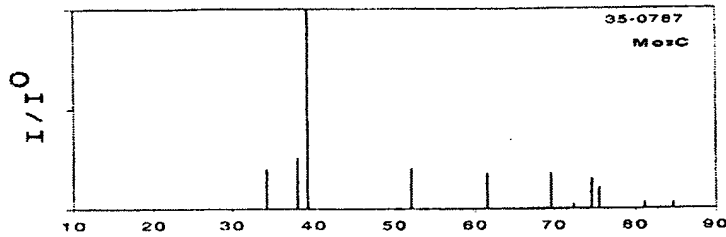
FIG.1C

1.005586 " 1.02901

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FIG.2A XRD and HRTEM of CARBIDE NANORODS



XRD. Sample 12



Reference XRD Pattern,
hexagonal Mo₂C



HRTEM Micrograph. Sample 12

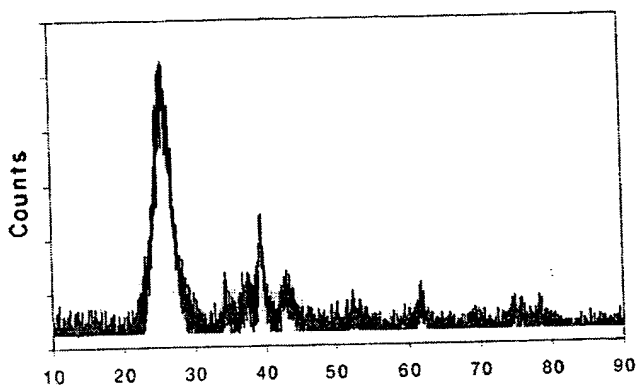
FIG.2B

10005586-10901

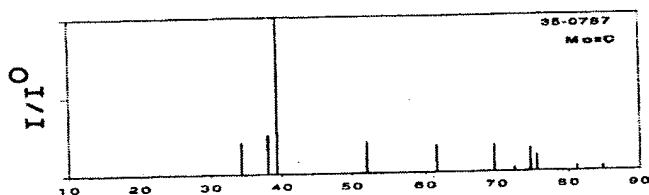
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FIG.3A XRD and HRTEM of CARBIDE NANOPARTICLES SUPPORTED ON CARBON NANOTUBES

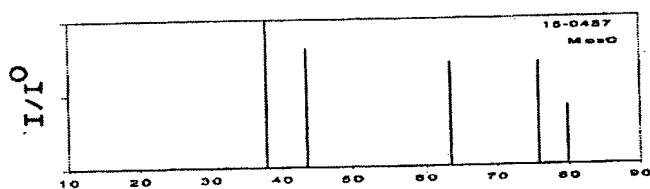
XRD. Sample 10



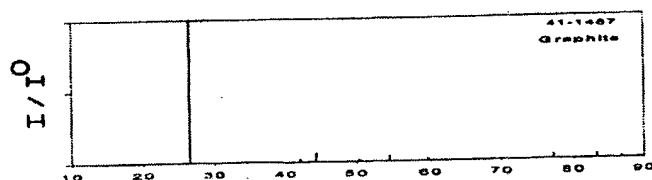
Reference XRD Pattern,
hexagonal Mo₂C



Reference XRD Pattern,
cubic Mo₂C



Reference XRD Pattern,
Graphite



100556 10901
105201 9855001

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HRTEM Micrograph. Sample 10



FIG. 3B

1005586-10201
T0620T-9850001

FIG. 4 Calcination of C:Mo Precursors

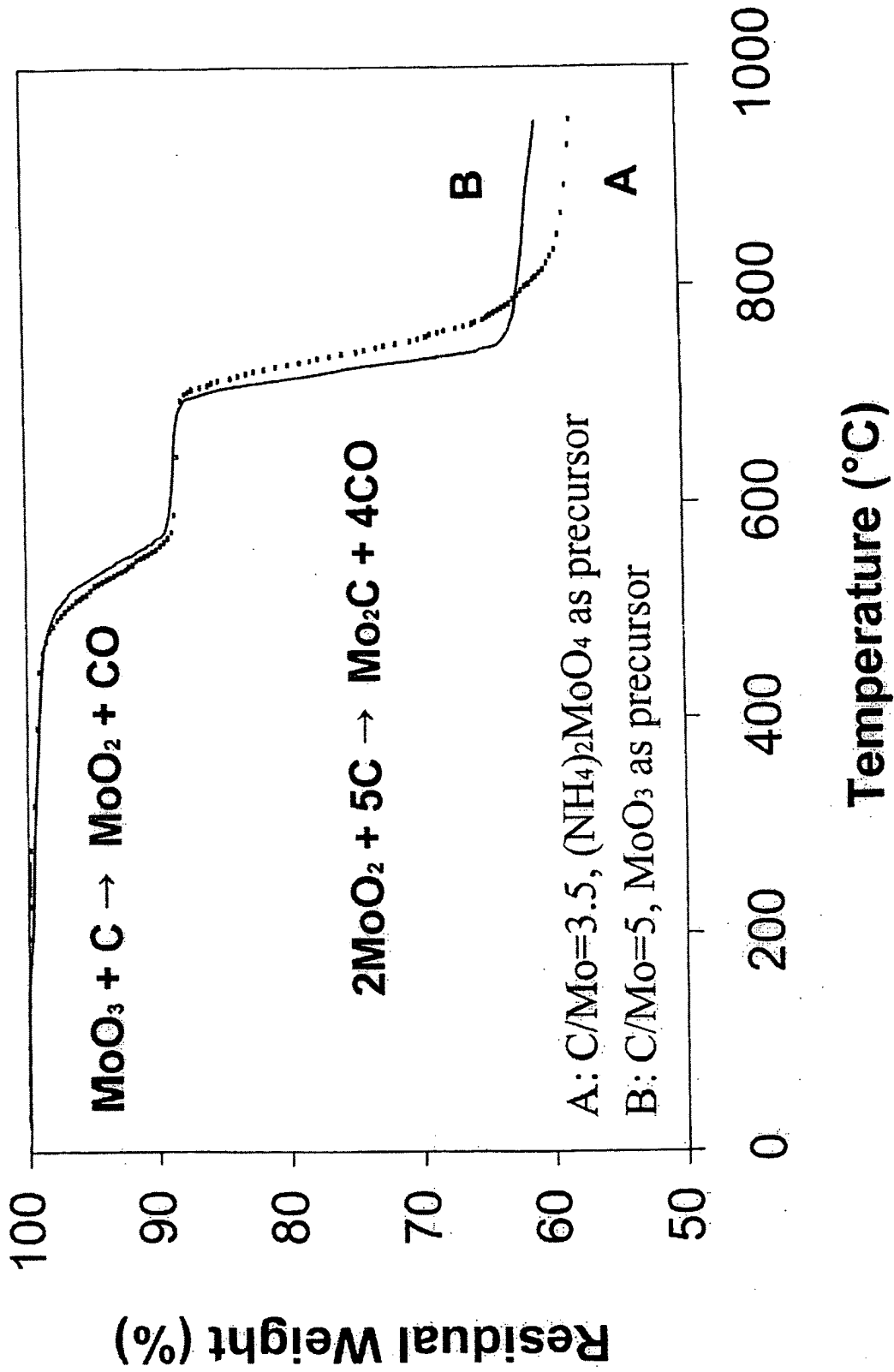


FIG.5A

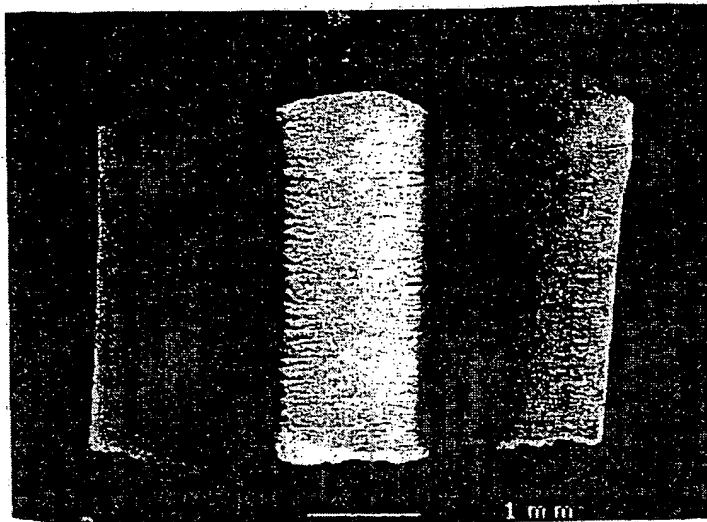


FIG.5B

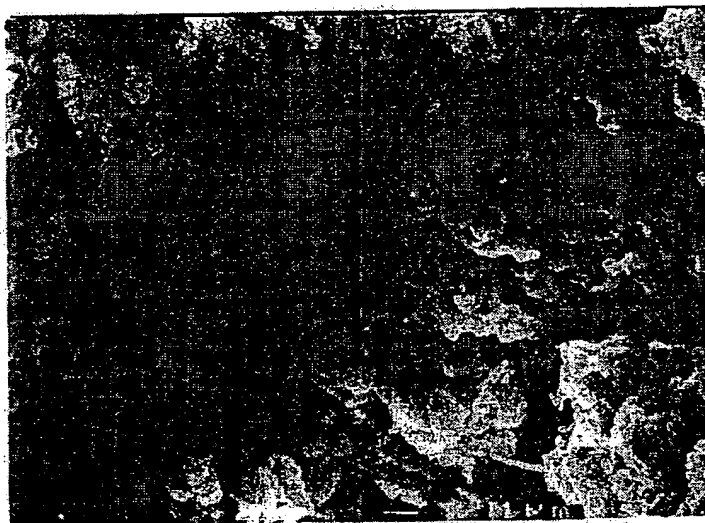


FIG.5C



10005586-102901